

The background of the slide is a spiral-bound notebook with a light beige, textured cover. The spiral binding is visible on the left side. The text is centered on the page.

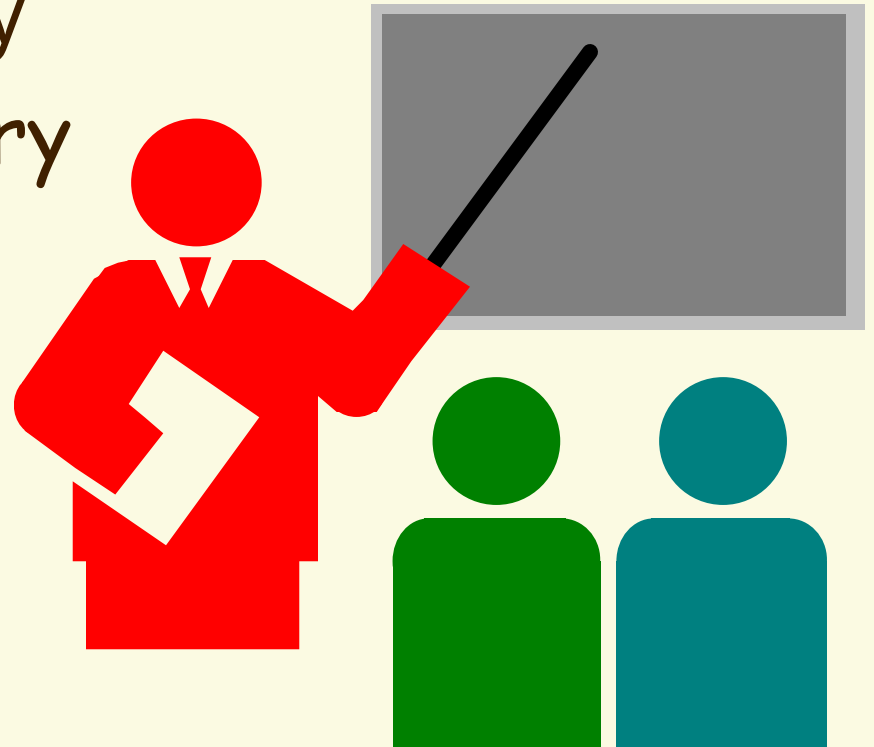
# The Art of Writing a Grant Application

An Overview

# The Major Do's of Grant Writing

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- 📄 Tell A Good Story
- 📄 Tell A Good Story
- 📄 Tell A *Good* Story



# Give Yourself Enough Time

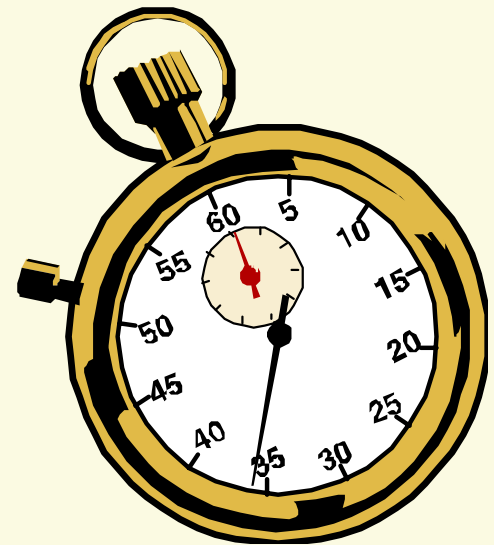
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📄 First submission from New Investigator

📄 (2 months)

📄 Senior Investigator

📄 (1 month)




# Preparing to Write

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## **READ THE INSTRUCTIONS**

 Review preliminary results

 Identify basic conclusions

 Impact of results on the field

 Formulate hypothesis

 Begin an outline



# Personnel

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 Will you need additional expertise?

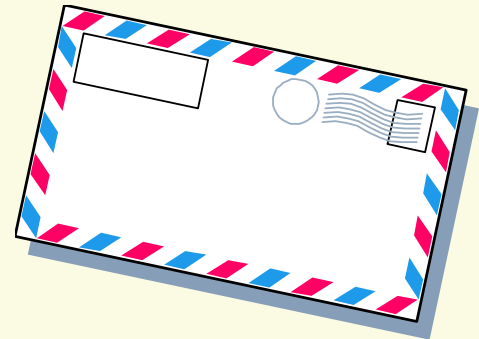
- Consultants
- Collaborators
- Co-investigators



 Need letters from these individuals

 Need their Biosketch

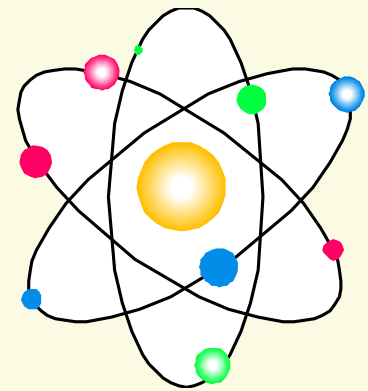
 Request early



# Special Permission

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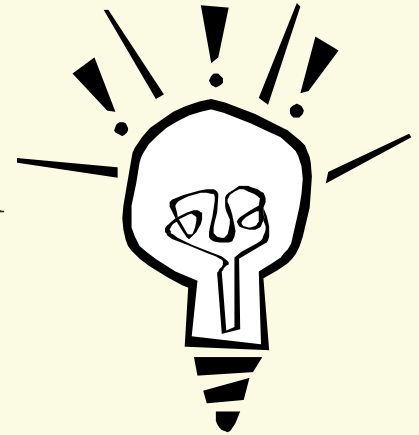
- IRBs for human studies
- Animal license for animal studies
- Permission to use hazardous compounds or infectious agents



# Refine Hypothesis

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- ☞ State your overall “far-reaching” goals
- ☞ State the major idea to test
- ☞ Pose as an interesting question



# A. Specific Aims




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- 📄 Major categories of experiments to test hypothesis
- 📄 Order of the aims important
- 📄 Risky to propose new animal models or cloning of a new factor



## C. Preliminary Results Section

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-  Organize results according to Specific Aims
-  Ideally should have some results for each aim
-  Critical feasibility studies must be included






# D. Experimental Design and Methods

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- 📄 Most important section
- 📄 Makes up half to 1/3 of 25 page grant
- 📄 No experiment is guaranteed
- 📄 Specific Sections (organized by Aim)
  - Rationale, Design, Expected Results, Limitations, Alternative approaches
- 📄 Experimental Design  $\neq$  Methods
- 📄 Time Line

## B. Background and Significance

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-  Be succinct (3 pages)
-  What is the essential information the reviewer needs to know to evaluate your proposal
-  Organize around Aims
-  Identify “gaps” in field of study
-  Direct your “aims” towards filling those gaps

# Abstract

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## Specific areas included

- Area of interest, Knowledge gap
- Methods, Aims
- Significance

## Word limitation

## Will be read by initial screeners

## Public access

# The Title

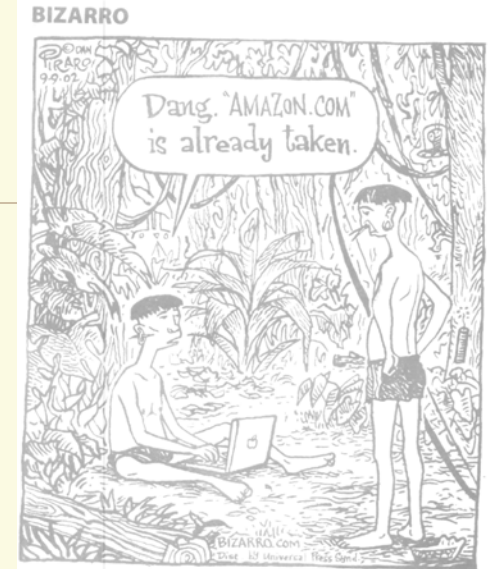
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📄 Broad

📄 Specific

📄 Note character limitations

📄 Targets grant to Institute, Study Section



# Cover Letter

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 Specify Study section

 Specify Institute

# Budget

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## Modular

- Must state what personnel will be doing

## Itemized >250K

- Not recommended for first submissions

# Leave Enough Time to...


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 Proof read

— formatting

 Allow for computer glitches

 Generate copies

 Obtain institutional signatures

 Collaborator Letters